

## On peculiarities of propagation of a plane elastic wave through a gradient anisotropic layer

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### Abstract

© 2015 Anastasiia Anufrieva et al. The problem of diffraction of a plane elastic wave by an anisotropic layer is studied. The diffraction problem is reduced to a boundary value problem for the layer. The grid method is used for solving the resulting boundary value problem. The diffraction of a plane longitudinal wave by the layer is considered. Some peculiarities of the gain-frequency and the gain-angle characteristics of a normal component of an energy flow of a passed longitudinal wave are numerically studied.

<http://dx.doi.org/10.1155/2015/515263>

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